GOVERNMENT OF INDIA
COAL
LOK SABHA

UNSTARRED QUESTION NO:5468
ANSWERED ON:06.04.2017
Use of Coal Washeries
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Will the Minister of COAL be pleased to state:

(a) whether pollution can be reduced in coal projects by using coal washeries in the country;
(b) If so, the details thereof ;
(c) The number of coal washeries set up and currently in operation along with the amount of coal above G10 washed during the last year;
(d) Whether the Government has undertaken measures to increase the number of coal washeries in the country and if so, the details thereof and if not, the reasons therefor; and
(e) The measures taken/proposed to be taken by the Government to handle the environmental concerns arsing due to use of poor quality coal?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF COAL, POWER , NEW AND RENEWABLE ENERGY AND MINES (SHRI PIYUSH GOYAL)

(a)-(b) : Yes Madam. Coal is washed in coal washeries to reduce ash content so that there is less fugitive emission in the air. Coal India Limited (CIL) has planned to set up 15 washeries in its various subsidiaries to reduce the ash content in the coal.

(c): The number of coal washeries currently in operation in CIL is 15 with a total throughput capacity of 36.80 Mty, out of which 12 are coking coal washeries with capacity of 23.30 Mty, and 3 are Non-coking coal washeries with Capacity 13.50 Mty. The details are being given in the table below :-

Sl.no.	Type	Name of coal washery	Subsidiary company	Capacity (MTY)
1.	Coking	Dugda-ii	BCCL	2.00
2.		Bhojudih	BCCL	1.70
3.		Sudamdih	BCCL	1.60
4.		Moonidih	BCCL	1.60
5.		Mahuda	BCCL	0.63
6.		Madhuband	BCCL	2.50
7.		Kathara	CCL	3.00
8.		Swang	CCL	0.75
9.		Rajrappa	CCL	3.00
10.		Kedla	CCL	2.60
11.		Kargali	CCL	2.72
12.		Nandan	WCL	1.20
Total				23.30
13.	Non-coking	Gidi	CCL	2.50
14.		Piparwar	CCL	6.50
15.		Bina	NCL	4.50
Total				13.50
Coking/Non-coking Total				36.80

The amount of coal above G-10 grade washed in washeries of CIL subsidiaries during the year 2016-17 from April 2016 till Feb'2017 is 213369.15 tonnes.

(d): CIL has planned to set up 15 Coal washeries in the first phase having a total capacity of 94.1 Mty, out of which 6 washeries are for Coking Coal with total capacity of 18.6 Mty and the remaining 9 are for Non-coking coal with total capacity 75.5 Mty.
In addition to the above, 5 more new washeries (1 in BCCL & 4 in CCL) and 2 de-shaling Plants (in BCCL) for coking coal are being envisaged to augment the supply of washed metallurgical coal. Further 5 existing coking coal washeries (in BCCL) are planned to be renovated to improve capacity utilization. Overall details of the 27 washeries are furnished in the table below:

New Washeries of CIL

Sl. No.	Washeries/Deshaling Plant	Capacity (Mty)
	COKING COAL	
	BCCL	
1	Madhuban II	5.00
2	Patherdih I	5.00
3	Patherdih II	2.50
4	Dahibari	1.60
5	Bhojudih	2.00
6	Dugda II (new)	2.50
	Total Coking Coal Washeries in 1st Phase in BCCL	18.60
7	Moonidih (New)*	2.50
	Total Coking Coal Washeries in in BCCL	21.10
	Deshaling Plant	
8	Kusunda*	2.00
9	Katras*	2.00
	Total Coking Coal Deshaling in BCCL	4.00
	Total Coking in BCCL	25.10
	CCL	
10	Topa	5.25
11	Tapin	4.00
12	Kargali	4.00
13	Kathara*	3.00
	Total Coking in CCL	16.25
	Total Coking CIL	41.35

Non-coking Coal

Sl	Washeries	Capacity (Mty)
14	Ashoka , CCL	10.00
15	Basundhara , MCL	10.00
16	Ib Valley , MCL	10.00
17	Konar , CCL	7.00
18	Karo , CCL	3.50
19	Hingula , MCL	10.00
20	Jagannath , MCL	10.00
21	Kusmunda , SECL	10.00
22	Baroud , SECL	5.00
	Non-coking CIL	75.50
	Total Coking + Non-coking CIL	116.85
	Coking Coal Washeries for Renovation	
23	Dugda I, BCCL	1.00
24	Madhuban I, BCCL	2.00
25	Sudamdih, BCCL	1.60
26	Mahuda, BCCL	0.63
27	Moonidih −Existing, BCCL	1.60
	Total Renovation Coking CIL	6.83
	Total CIL	123.68

(e): Washeries are set up to control the ash content of coal to reduce air pollution. However, during various operations in coal washeries, a lot of particulate matters and gaseous pollutants are generated causing an air pollution problem in the area. Hoppers of the crushing units and washery units are fitted with high efficiency bag filters and mist spray water sprinkling system installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and transportation roads.

Three-tier green belt is being developed along the washery boundary and along transfer and loading points and railway siding to mitigate / check dust pollution. All the washeries have been made Zero discharge. The same water is recycled again and again in the main process of the washery.

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